

Awadh Kishor Singh

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EDUCATION

- Indian Institute of Technology Madras** Chennai, Tamil Nadu, India
Bachelor of Technology - Information Technology; CGPA: 8.27
April 2024 - June 2028
Courses: Operating Systems, Data Structures, Full Stack Development, Artificial Intelligence, Machine Learning, Networking, Databases, Natural Language Processing
- Central Hindu Boys' School [B.H.U]** Varanasi, Uttar Pradesh, India
Intermediate
April 2021 - June 2023
- P.G Senior Secondary School** Captainganj, Uttar Pradesh, India
Basic Education to High School
April 2011 - March 2021

SKILLS SUMMARY

- Languages:** Python, C++, JavaScript, SQL, Java, HTML, CSS
- Frameworks:** Next.js, React, Express.js, Django, Flask
- Databases:** MongoDB, MySQL
- Core Concepts:** Data Structures & Algorithms, OOP, REST APIs, System Design Basics
- Tools:** Git, GitHub, VS Code, Vercel, Render, Postman

EXPERIENCE

- Full Stack Developer – SRS Classes** Remote
Freelance (Part-time) *Nov 2024 – Dec 2024*
 - Website Development:** Built a responsive educational website using Next.js with optimized UI and cross-device compatibility.
 - Deployment & Maintenance:** Managed deployment, updates, and long-term maintenance for a production environment.

PROJECTS

- Hospital Management System** [\[Live\]](#) [\[GitHub\]](#) Ongoing
Full Stack Web Application
 - Backend Development:** Designed REST APIs for patient records, appointments, doctor scheduling, and role-based access control.
 - Frontend Development:** Built responsive dashboards using React and Next.js for hospital staff and administrators.
 - Security & Data Handling:** Implemented secure authentication and structured database schemas for scalability and data integrity.
 - Deployment:** Configured production-ready deployment with environment variables and API validation.
- Cryptofolio** [\[Live\]](#) [\[GitHub\]](#) Completed
Crypto Portfolio & Analytics Platform
 - Full Stack Development:** Built a crypto portfolio tracking platform with real-time asset monitoring and profit/loss analytics.
 - UI/UX Design:** Designed a clean and responsive interface with reusable components and optimized layouts.
 - API Integration:** Integrated third-party APIs for live cryptocurrency price data and portfolio calculations.
 - Deployment:** Deployed the application on Vercel with production-ready configuration.
- Personal Portfolio Website** [\[Live\]](#) [\[GitHub\]](#) Completed
Frontend Web Application
 - Frontend Development:** Developed a modern and responsive frontend using React, Next.js, HTML, CSS, and JavaScript.
 - UI/UX Design:** Designed a visually appealing interface with full mobile responsiveness.
 - Performance Optimization:** Created reusable components and optimized layouts for faster load times and SEO.
 - Deployment:** Deployed the portfolio on Vercel for fast and reliable hosting.

ACHIEVEMENTS & CERTIFICATIONS

- Problem Solving & Competitive Programming:** Solved **1000+** Data Structures, Algorithms, and Competitive Programming problems across arrays, trees, graphs, dynamic programming, and advanced topics.
- Full Stack Web Development Certification:** Completed a comprehensive full stack development program covering frontend, backend, REST APIs, authentication, databases, and deployment. [\[Certificate\]](#)